

ABSTRACT OF THE DISCLOSURE

**[0078]**A method and system for interprocedural side-effect analysis is disclosed.

In one embodiment, the method is applied to a software program having a plurality of separately compilable components. The method performs analyzing each routine, of a software program having a plurality of separately compilable routines, to create a plurality of local side-effect problems for each routine; and merging the local side-effect problems to create a global side-effect problem.

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